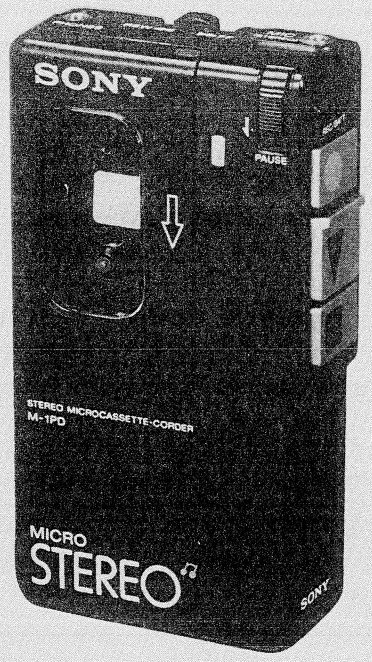
1003

M-1 POCKET DECK

AEP Model
UK Model
E Model



STEREO MICROCASSETTE-CORDER

SPECIFICATIONS

Recording System: MICROCASSETTE stereo

Fast Winding Time: Approx. 2 min. 10 sec.
with Sony MC-60 Microcassette

Frequency Response: 80 – 10,000 Hz (metal tapes)
80 – 8,000 Hz (tapes other than metal tapes)
Playback: 50 – 12,000 Hz

Power Output: 20 mW x 2
at load impedance 32 ohms

Input: Microphone input jack (stereo minijack)
sensitivity 0.2 mV (–72 dB)
for low impedance microphone

Output: Headphones jack (stereo minijack)
load impedance 32 ohms

Power Requirements: 3 V ac, two IEC R6 (size AA) batteries
External power input jack (required power 3 V dc) by using ac power adaptor

Battery Life: Approx. 3 hours with Sony SUM-3(NS) New Super batteries
Approx. 8 hours with Sony AM3 Eveready Alkaline batteries

Dimensions: Approx. 60 x 113 x 26 mm (w/h/d)
($2\frac{3}{8}$ x $4\frac{1}{2}$ x $1\frac{1}{16}$ inches)
not incl. projecting parts and controls

Weight: Approx. 200 g (7 oz) incl. batteries

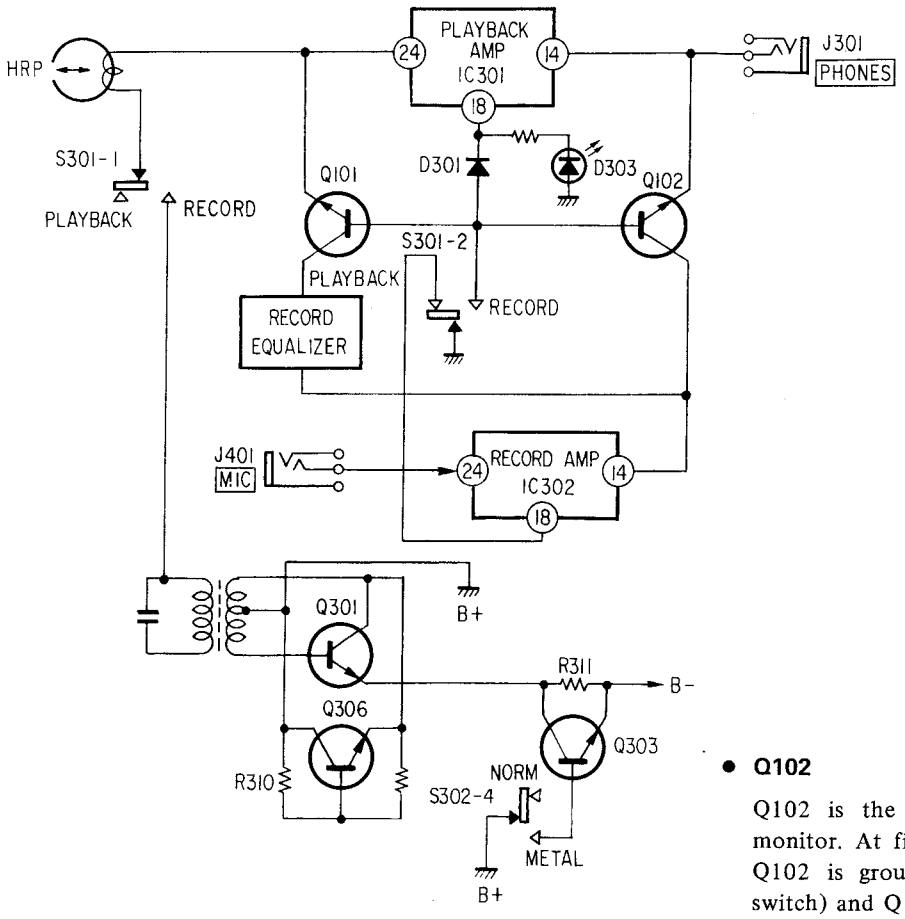
MICROFILM

SONY

SERVICE MANUAL

FUNCTION OF THE TERMINALS

Explanation is for only left channel, as right channel functions identically with left channel.



- **Q101**

Q101 is the switching transistor for supplying recording signal to the head. In recording mode, the base of Q101 is grounded by S301-2 (record/playback switch) and Q101 turns on.
Thus, recording signal is supplied to the recording head via IC302 ⑭ (record amp), record equalizer and Q101 and will be recorded. In playback mode, Q101 turns off.

- **D301**

D301 is the diode for switching power supply of IC301 (playback amp).
At first, in recording mode, the anode of D301 is grounded by S301-2 (record/playback switch) and D301 turns on. So, IC301 ⑱ becomes 0 V and IC301 (playback amp) turns off and does not operate.
Next, in playback mode, D301 turns off by S301-2 and IC301 (playback amp) operates. Also, in playback mode, in order not to operate IC302 (record amp), IC302 ⑱ is grounded by S301-2.

- **Q102**

Q102 is the switching transistor for recording monitor. At first, in recording mode, the base of Q102 is grounded by S301-2 (record/playback switch) and Q102 turns on. Thus, recording signal goes to J301 (PHONES) from IC302 ⑭ through R114 and Q102 and the sound to be recorded can be monitored.

- **Q303**

Q303 is the transistor for switching bias when the metal tape is used. When S302-4 (TAPE-SELECT switch) is positioned to METAL, the base of Q303 is grounded and Q303 turns on. Thus, R311, 312 in the power supply circuit of bias oscillator circuit is short-circuited and bias output becomes higher.

- **D303**

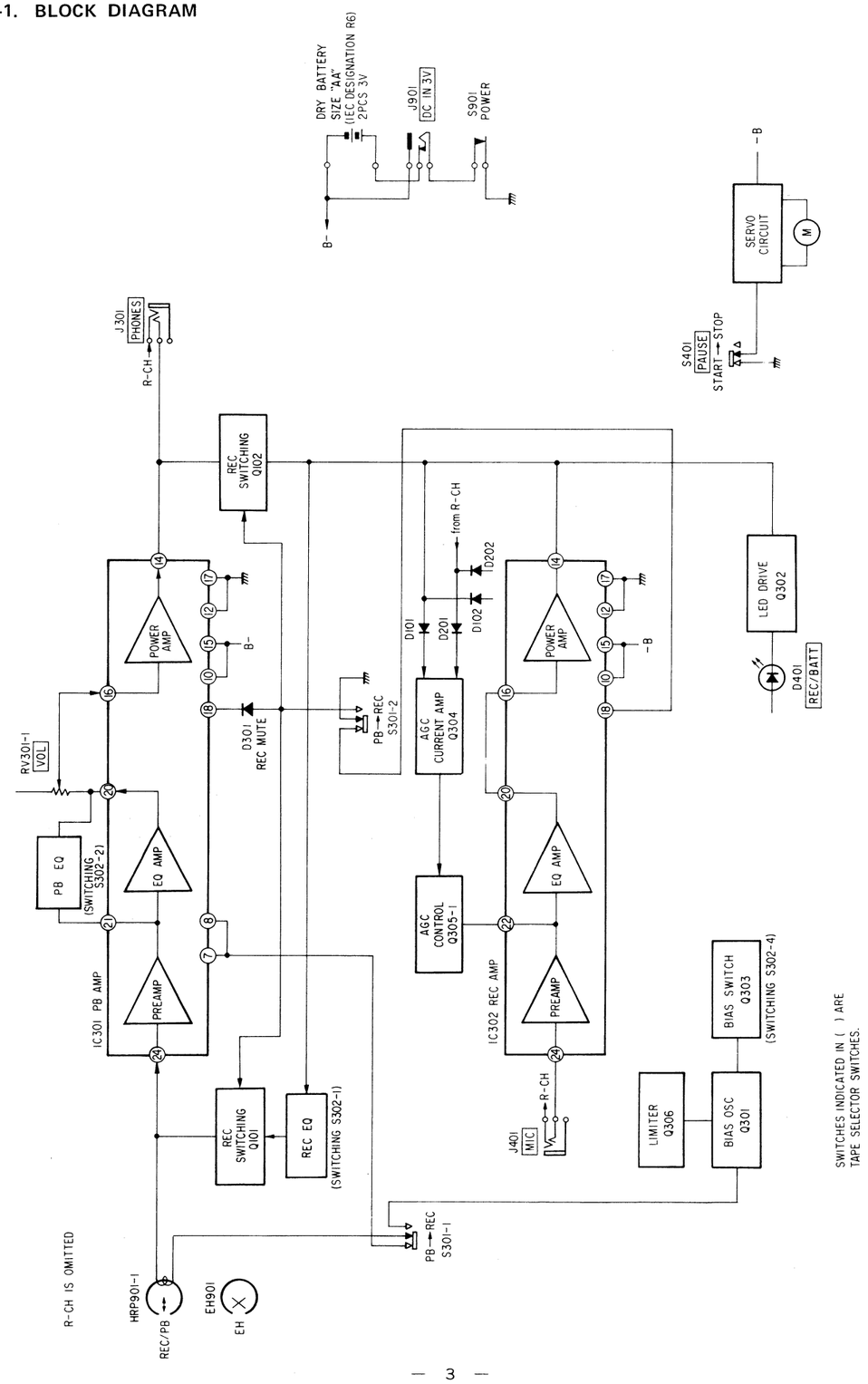
D303 is LED for voltage regulation. This prevents power impedance from rising, ripple filter from reversing in order not to cause noise when using AC adaptor.

- **Q306**

Q306 prevents recording bias osc current from increasing even if power voltage rises to 3.6 V by using AC adaptor.

SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM



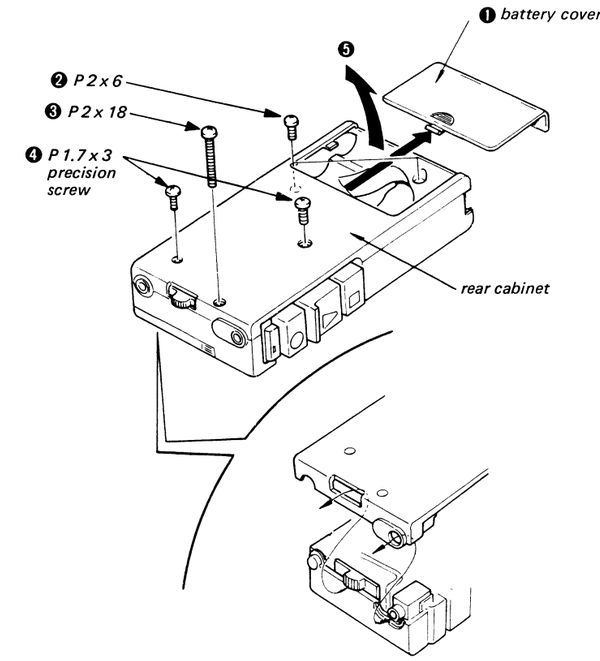
M-1 POCKET DECK

SECTION 2
DISASSEMBLY

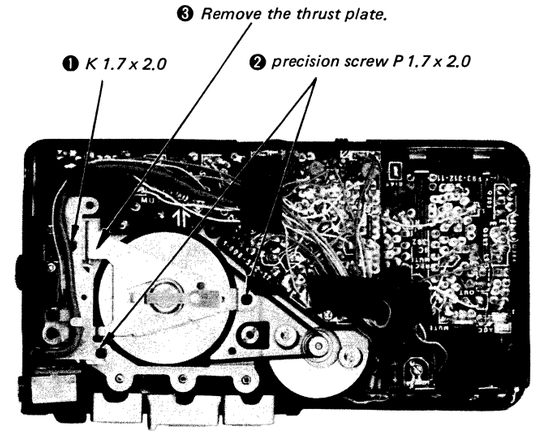
2-1. DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

REAR CABINET

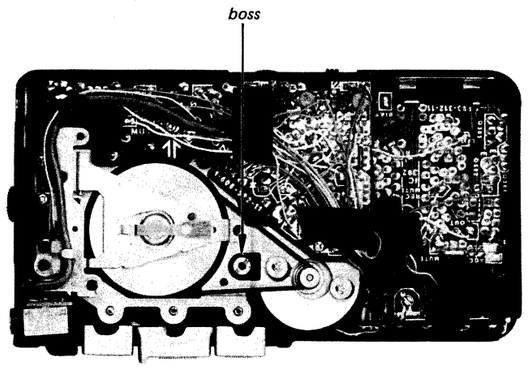


FLYWHEEL/BELT



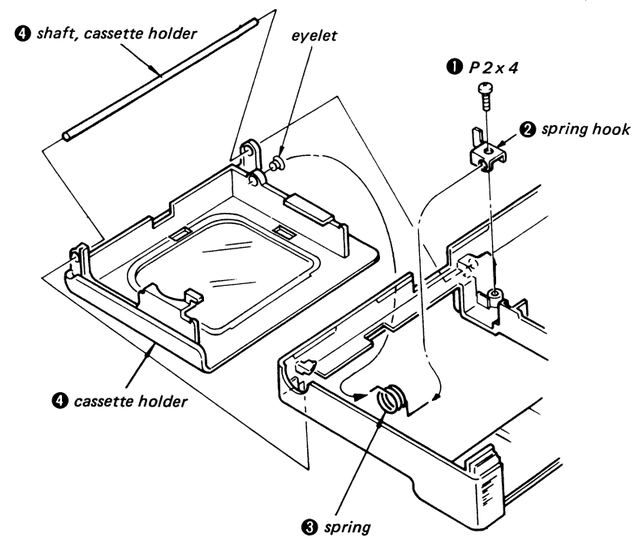
M-1 POCKET DECK

MECHANISM

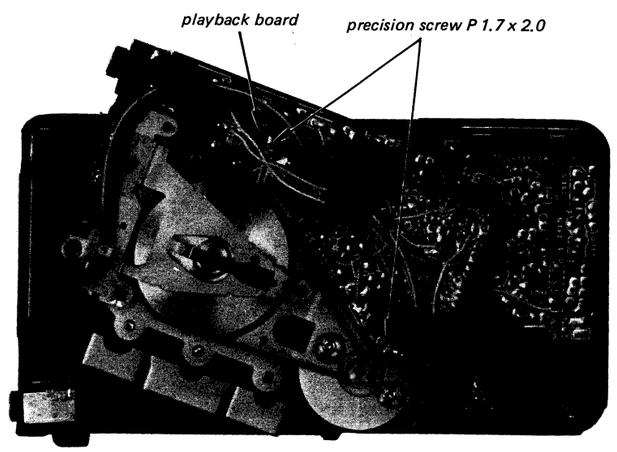


REPLACEMENT OF THE MOTOR

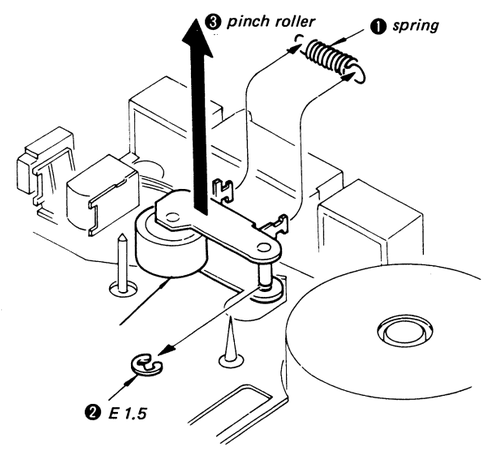
CASSETTE HOLDER



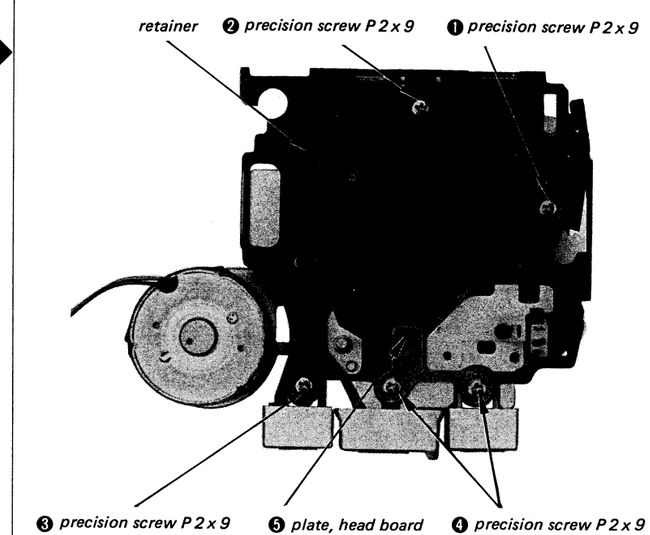
PLAYBACK BOARD



PINCH ROLLER



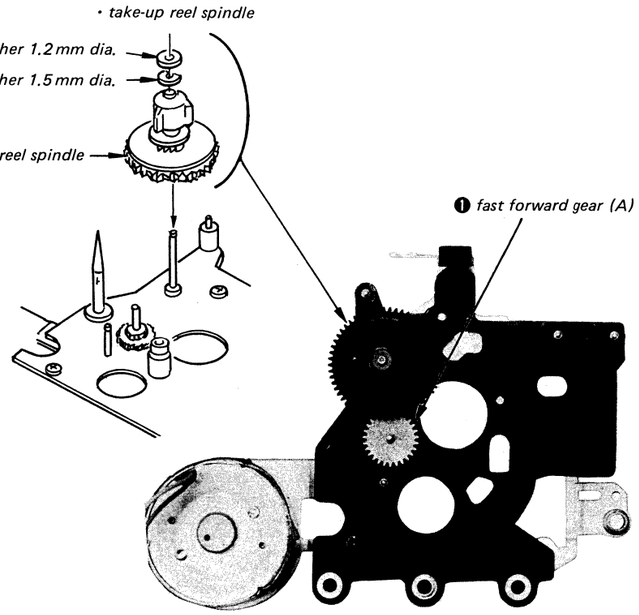
RETAINER



Refer to ASSEMBLY of MECHANICAL DECK on pages 7 – 11 for its replacement.

2-2. ASSEMBLY OF MECHANICAL DECK

(1)



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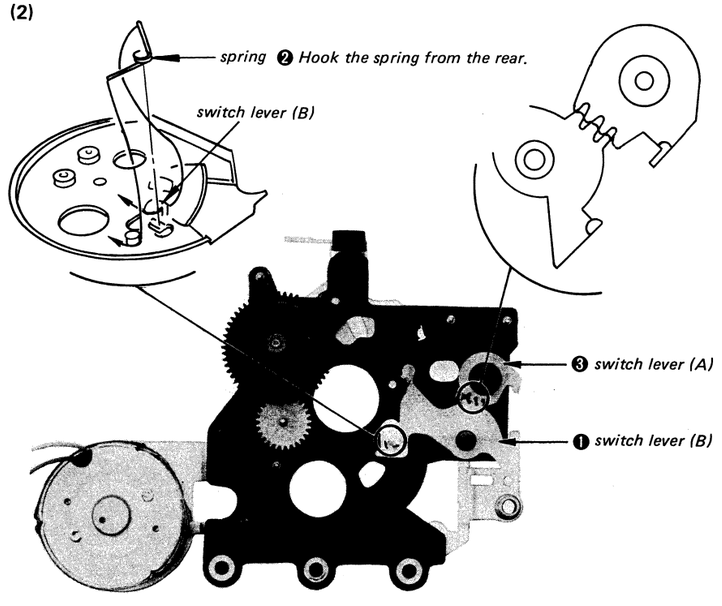
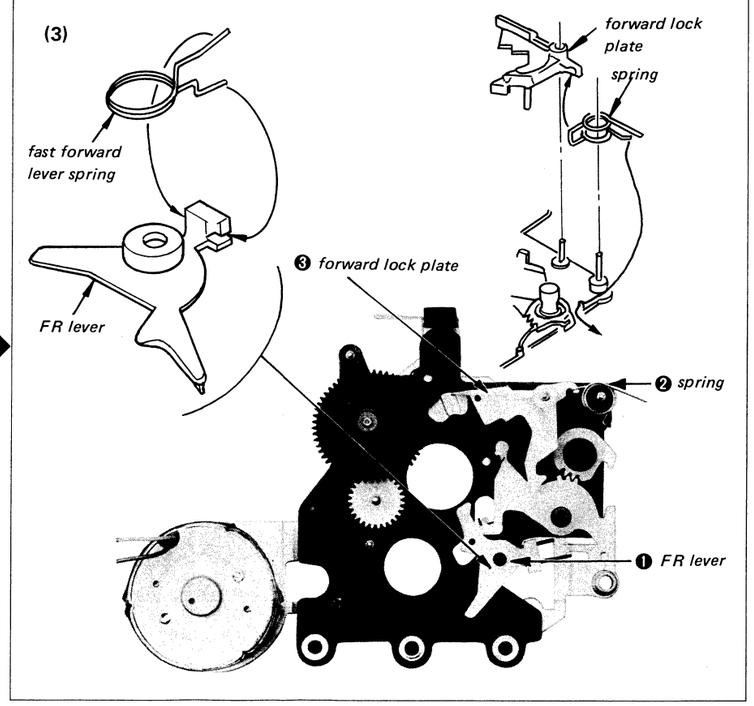
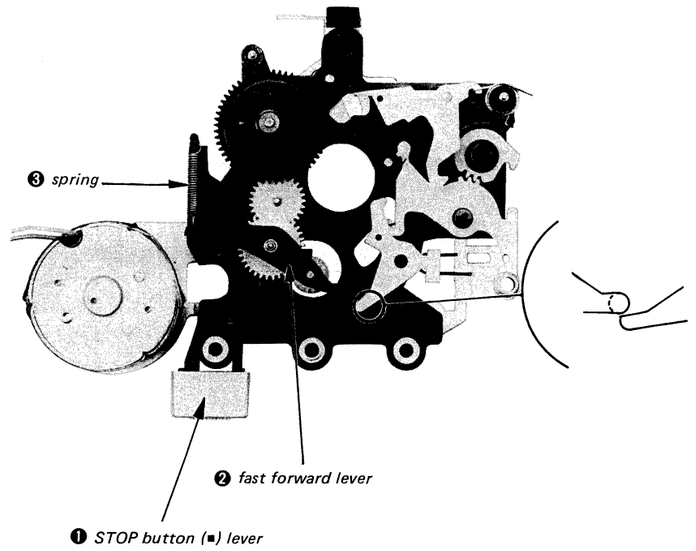


(3)



(4)



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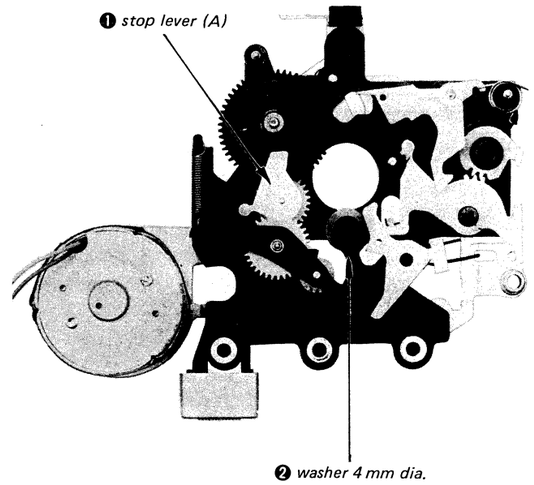
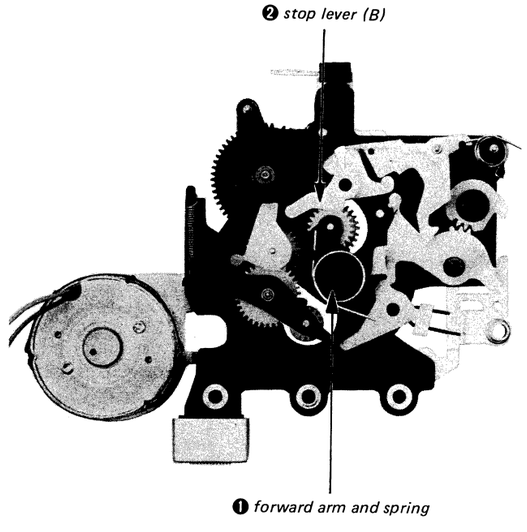
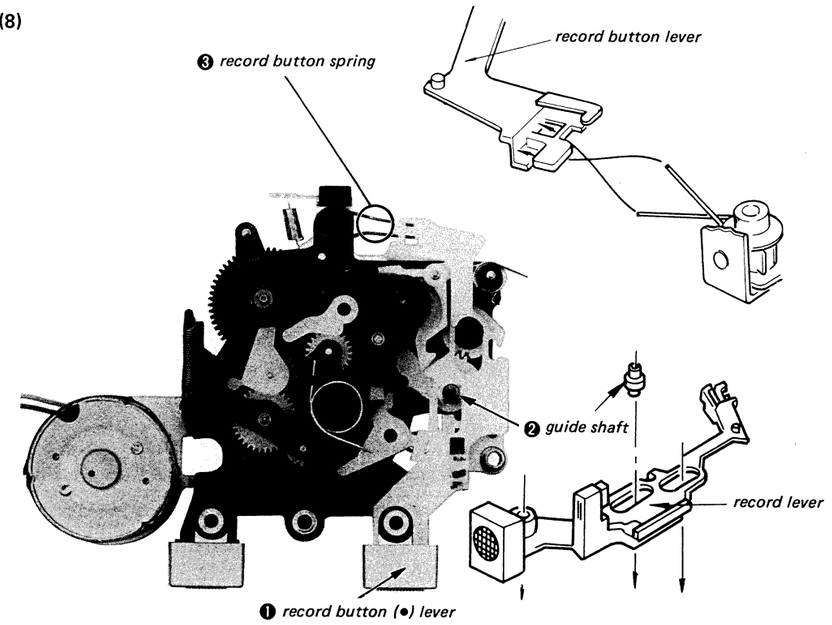


(6)

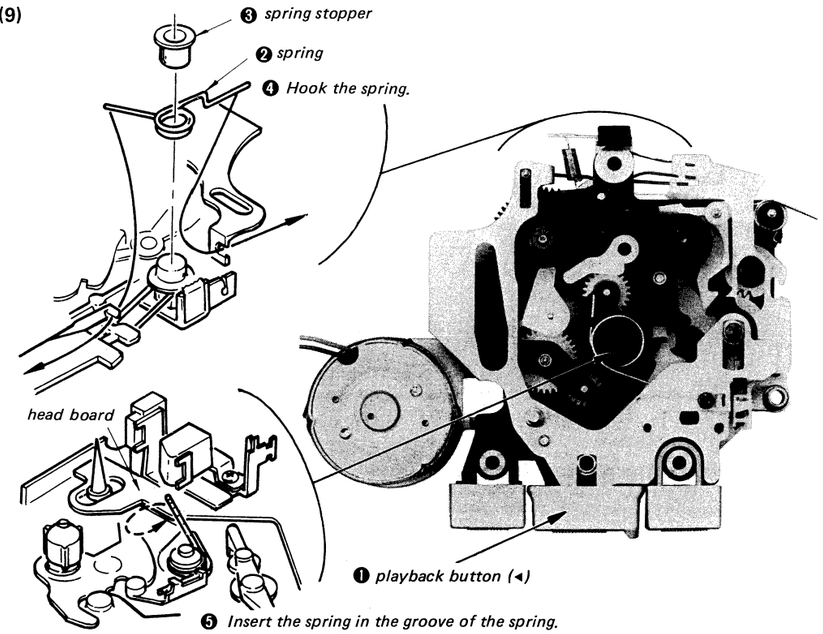


M-1 POCKET DECK

(8)



(9)



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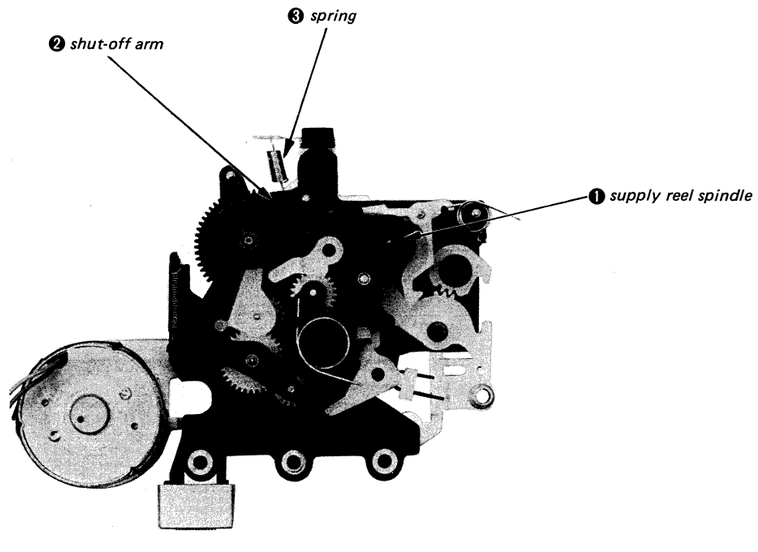

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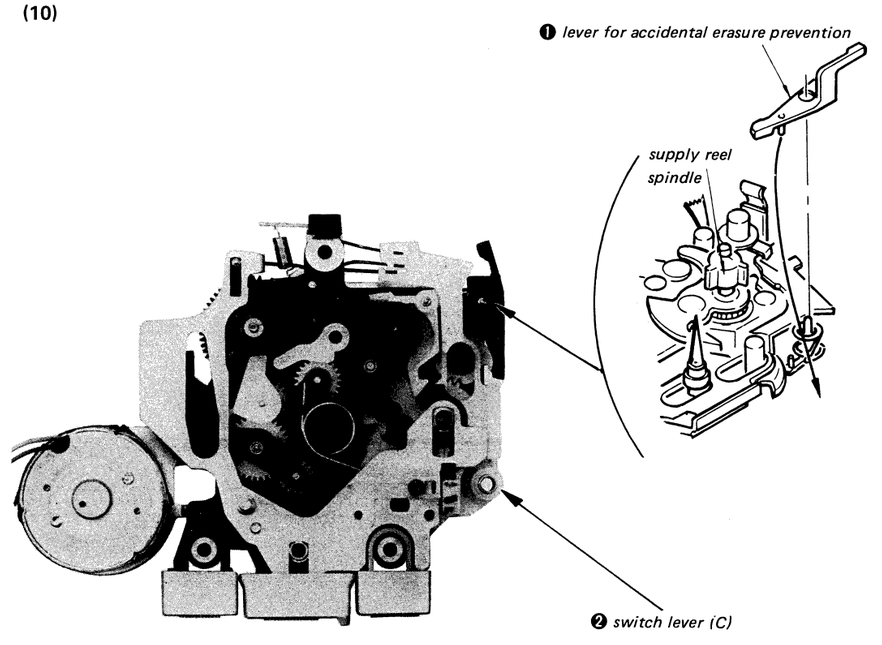

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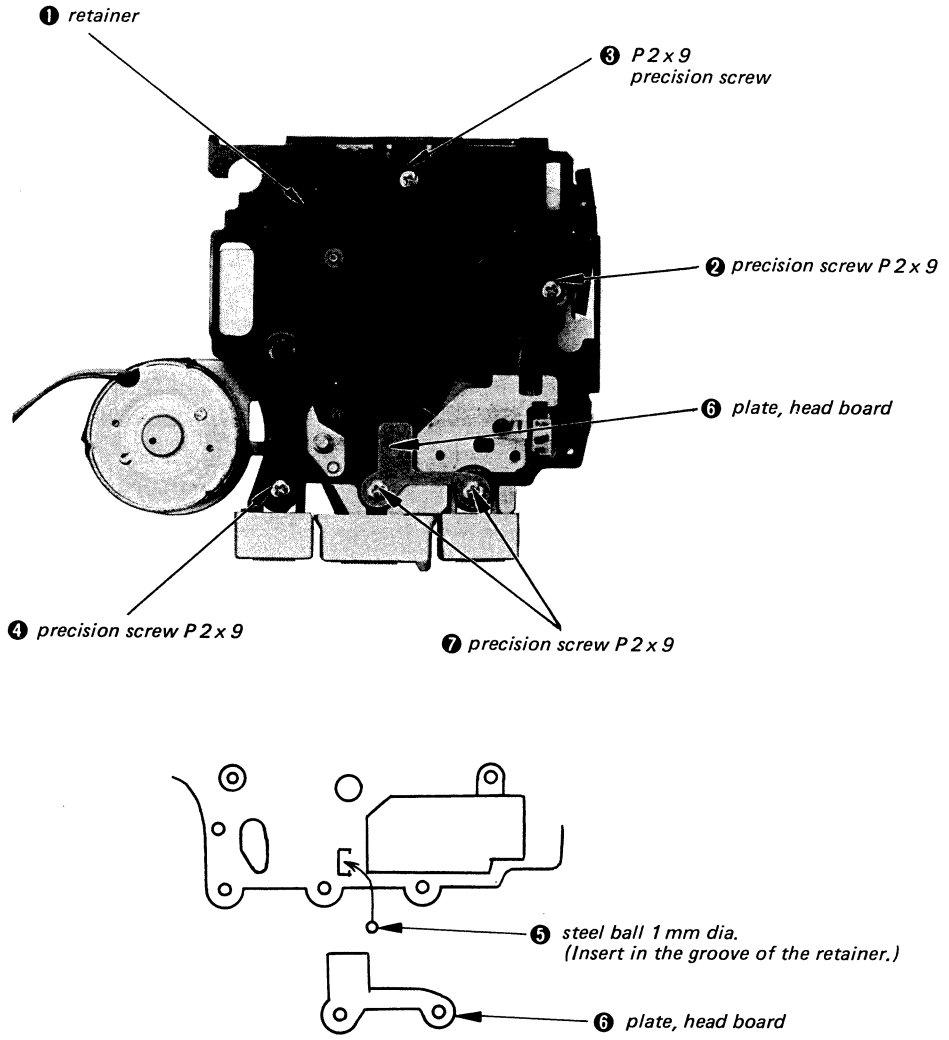

❶ retainer
❸ P 2 x 9
precision screw
❷ precision screw P 2 x 9
❻ plate, head board
❹ precision screw P 2 x 9
❼ precision screw P 2 x 9
❺ steel ball 1 mm dia.
(Insert in the groove of the retainer.)
❻ plate, head board

SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENT

PRECAUTION

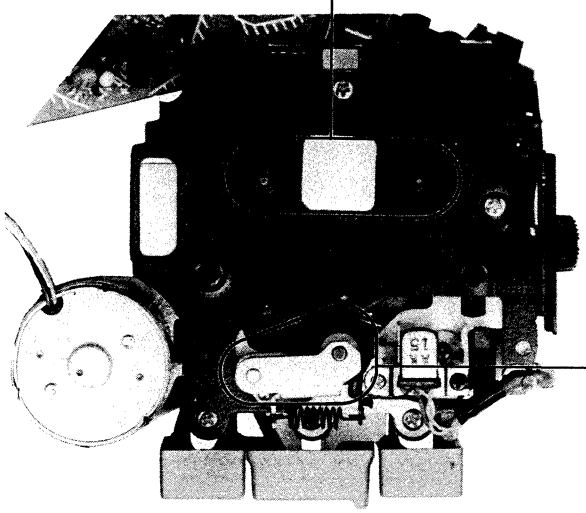
1. Clean the following parts with a denatured alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement (for reference use)

Torque	Sony Torque Meter	Meter reading
Forward	CQ-103M	4 ~ 11 g•cm
fast forward	CQ-201M	15 g•cm or more
rewind	CQ-201M	15 g•cm or more

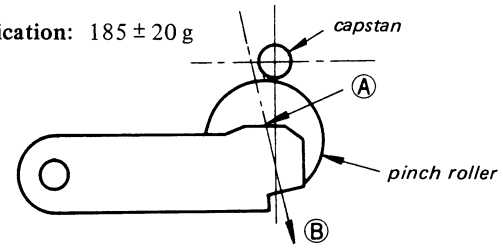


Pinch Roller Pressure Adjustment

Mode: playback

1. Apply a spring scale (300 g) to the shaft marked Ⓐ and pull it in the direction of Ⓑ.
2. Slowly return the pinch roller and read the spring scale just when the pinch roller starts rotating.

Specification: 185 ± 20 g

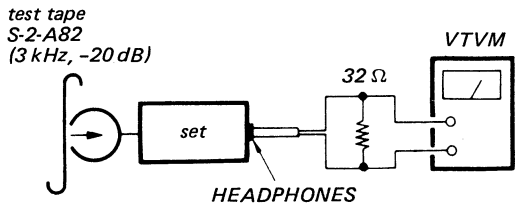


3-2. ELECTRICAL ADJUSTMENT

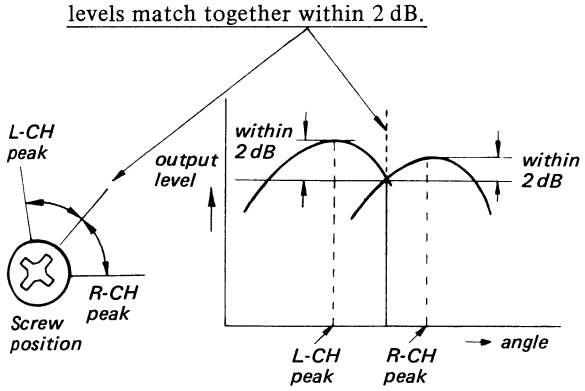
Record/playback Head Azimuth Adjustment

Procedure:

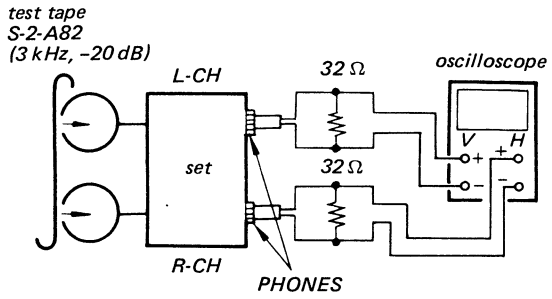
1. Mode: playback

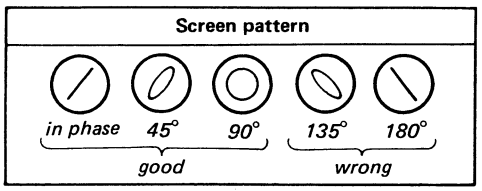


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 2 dB.

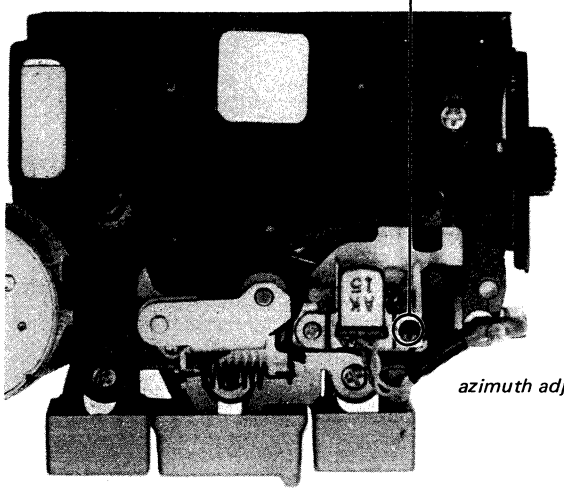


3. Phase Check
Mode: playback





4. Finish adjustment turning the adjustment screw clockwise. After the adjustment, apply suitable locking compound.



azimuth adjustment screw

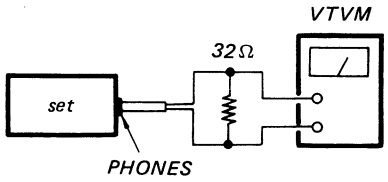
Muting Voltage Adjustment

(1) Record Amp Section

- Perform this adjustment when replacing IC302.

Setting:

power supply voltage: 1.9 Vdc



Procedure:

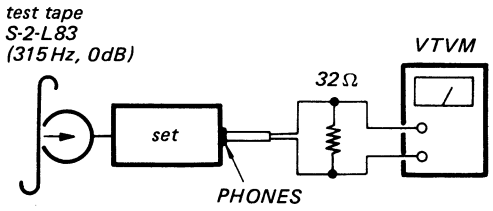
1. Connect the patterns marked Ⓓ .
2. In recording mode, confirm that noise is generated at PHONES terminal. If necessary, disconnect the patterns marked Ⓓ .

(2) Playback Amp Section

- Perform this adjustment when replacing IC301.

Setting:

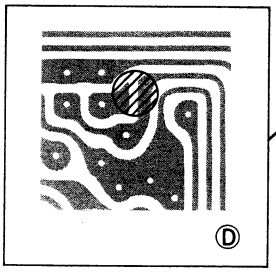
power supply voltage: 1.9 Vdc
VOLUME control: mechanical mid



Procedures:

1. Connect patterns marked Ⓑ on page 16.
2. In playback mode, confirm that signal is generated at PHONES terminal. If necessary, disconnect the patterns marked Ⓑ .

Adjustment location:



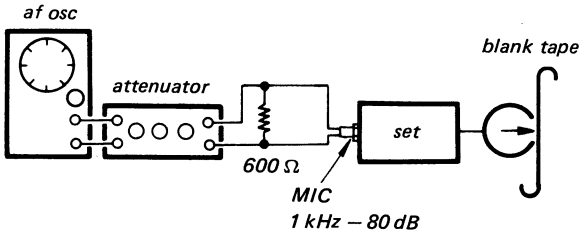
Record Bias Adjustment

Setting:

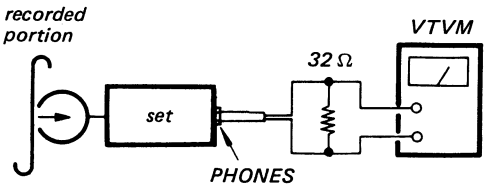
TAPE SELECT SWITCH: METAL
power supply voltage: 3.6 Vdc

Procedure:

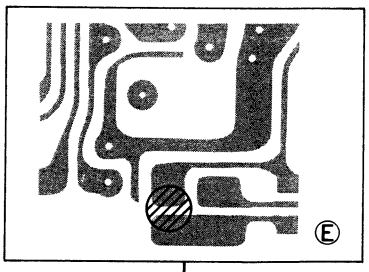
1. Mode: record

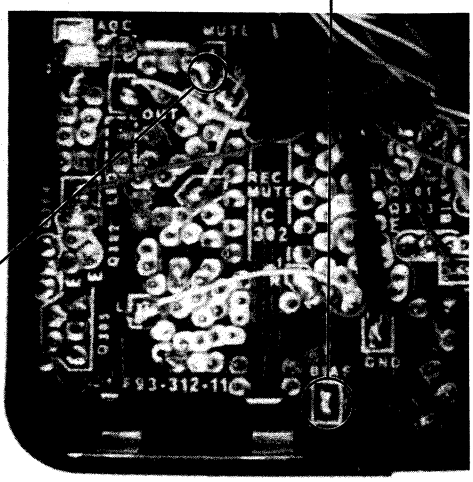


2. Mode: playback



Change the pattern connections marked Ⓔ to obtain higher output with the playback signal of 1 kHz.





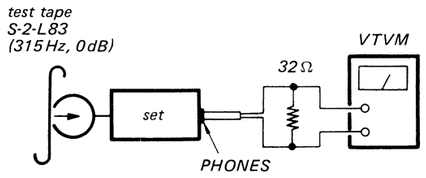
Channel Balance Adjustment

Setting:

power supply voltage: 2.5 Vdc
VOLUME control: Set so that playback output of left channel is –10 dB.

Procedures:

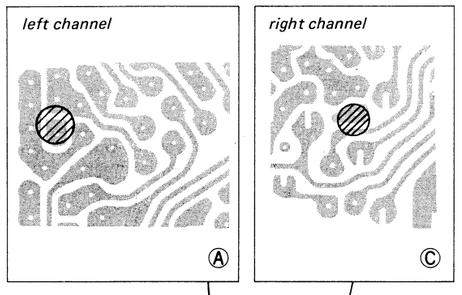
mode: playback

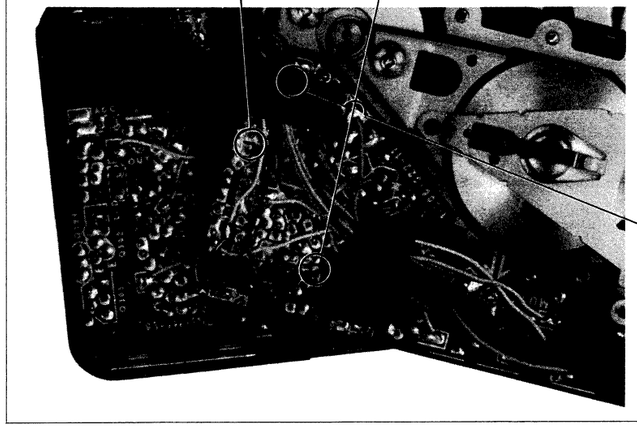


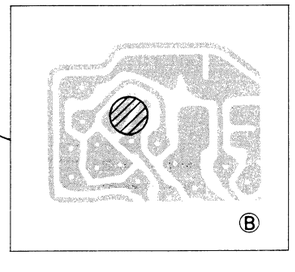
Specification:

Level difference between channels; less than 2 dB
If necessary, disconnect patterns of the channel with lower level. (either Ⓐ or Ⓒ)

Adjustment Location:



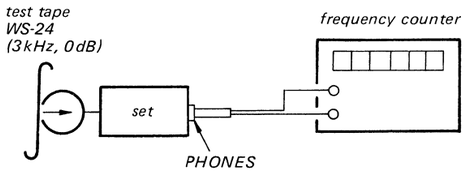




Tape Speed Adjustment

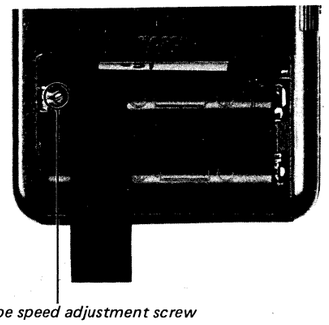
Procedure:

1. Mode: playback



Specification:

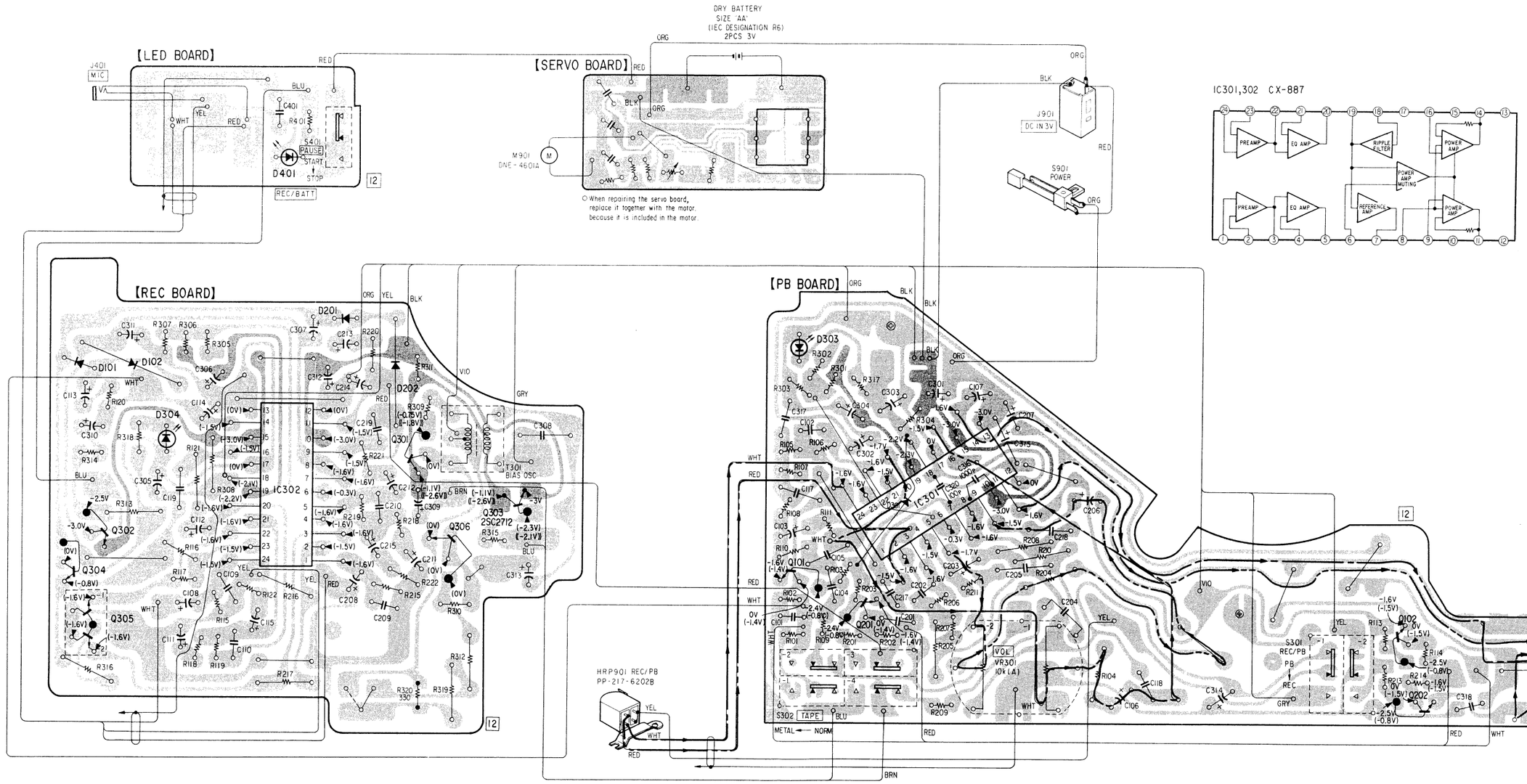
3,000 ± 30 Hz (2,970 ~ 3,030 Hz)



When turning clockwise, tape speed becomes faster.

MEMO

4-1. MOUNTING DIAGRAM



| | | |

4-2. SCHEMATIC DIAGRAM

Note: Voltages are measured with a VOM (50kΩ/V).

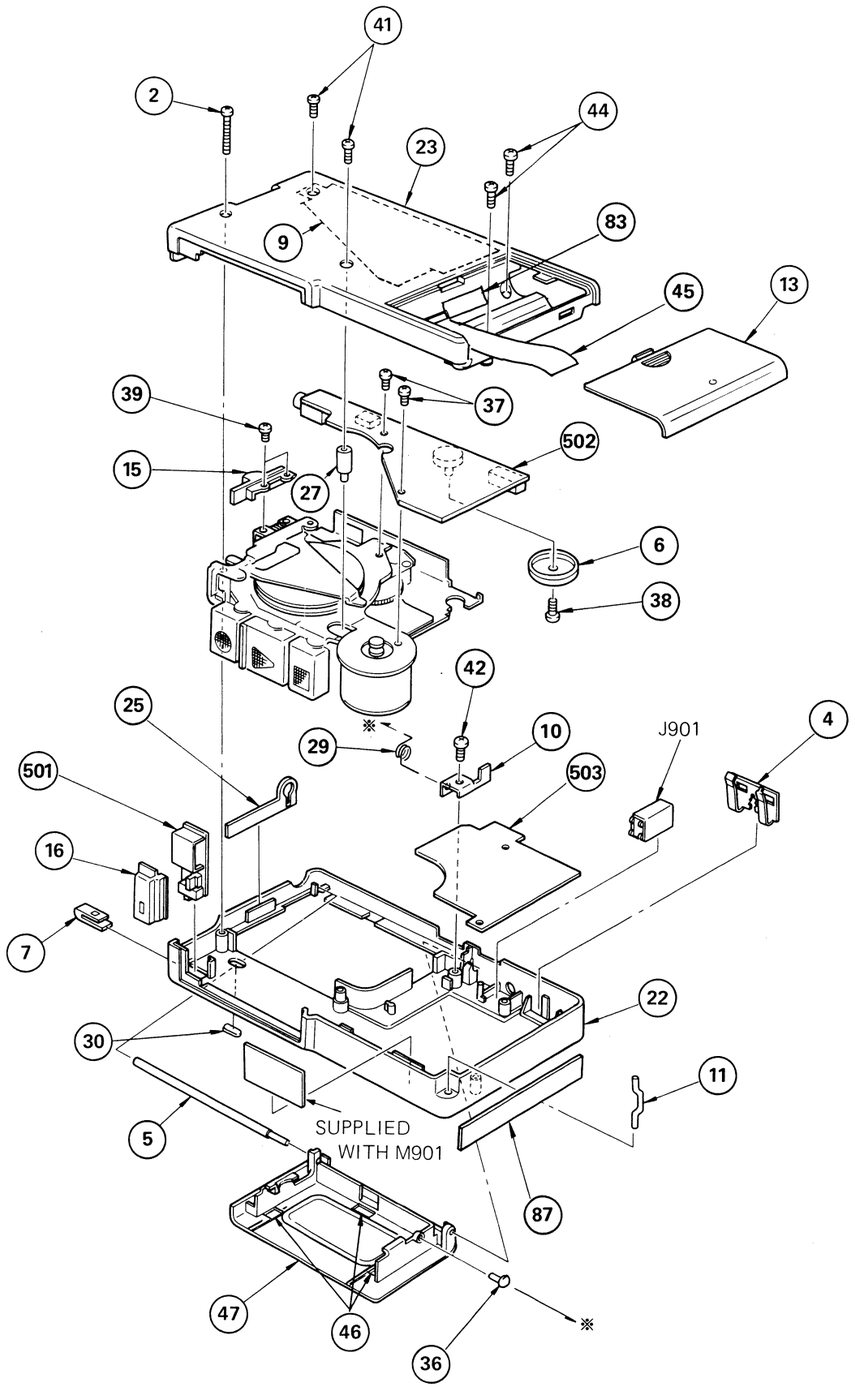
Note:

- ⊣⊢ and ⫞⊣⊢ : electrolytic capacitor.
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- ▭ : panel designation.
- ▭ : adjustment for repair.
- ▬▬ : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions.
  ( ) : in recording mode with normal tape.
  (( )) : in recording mode with metal tape.
- ⇒ : signal path
- Voltage variations may be noted due to normal production tolerances.
- AC voltage readings in the bias oscillator with a VTVM.
- Total current is measured with no cassette installed.
- Switch

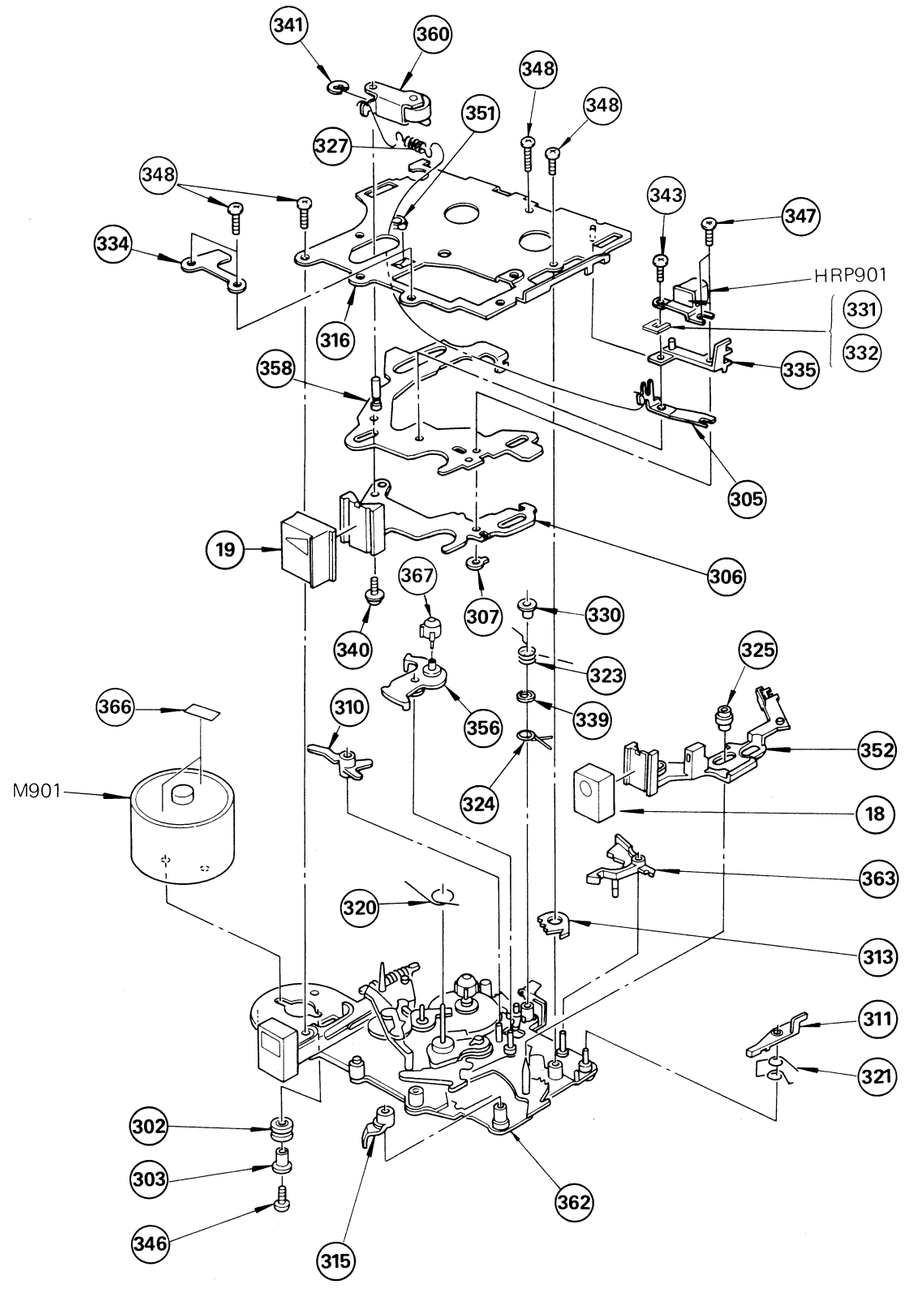
Ref. No.	Switch	Position
S301	PLAYBACK/RECORD	PLAYBACK
S302	TAPE	NORM
S401	PAUSE	ON
S901	POWER	OFF

M-1 POCKET DECK

5-1.

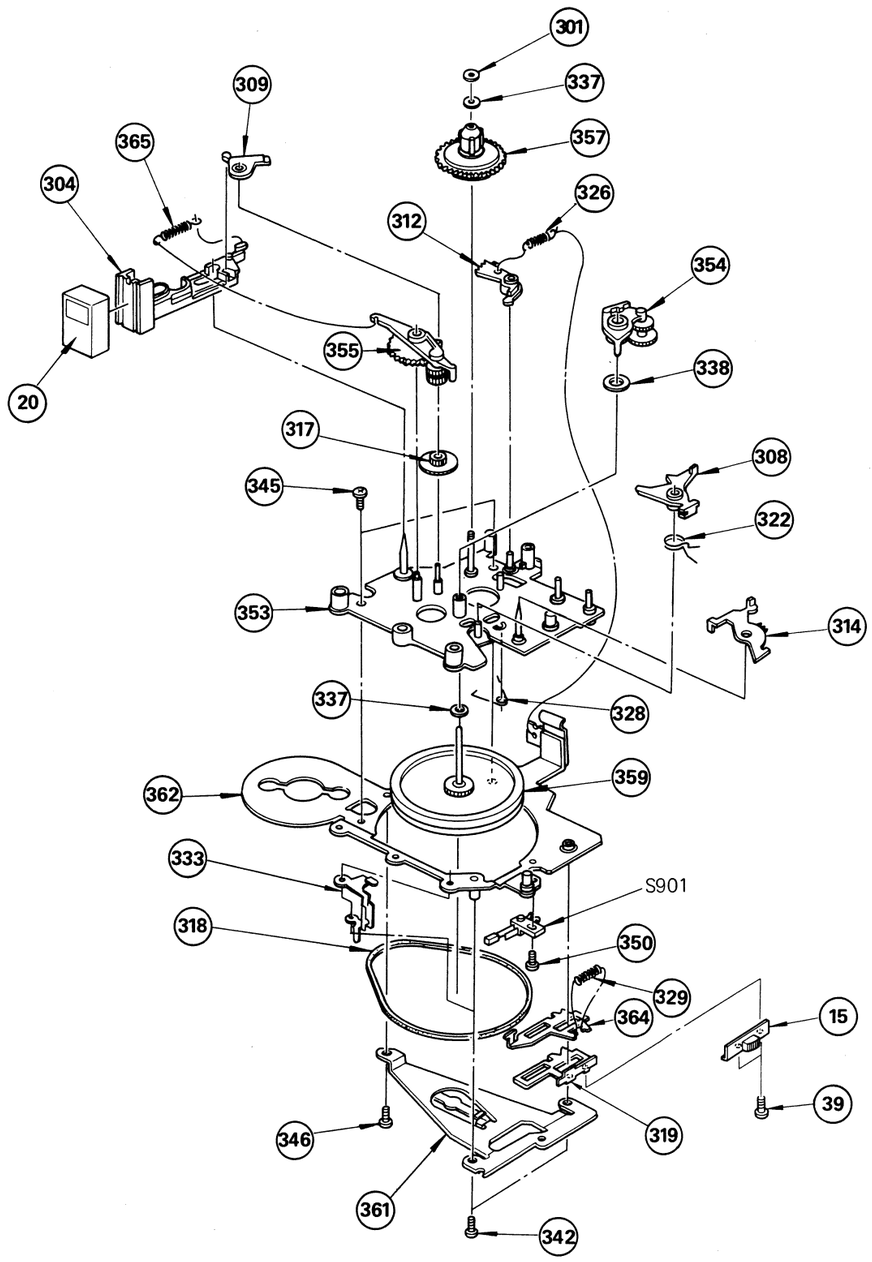


5-2.



M-1 POCKET DECK

5-3.



GENERAL SECTION

No.	Part No.	Description
1	.....	
2	3-564-708-21	SCREW, TAPPING +P2X18
3	.....	
4	3-576-074-00	SPRING
5 ♦	3-576-075-00	SHAFT, CASSETTE HOLDER
6	3-579-102-00	KNOB, CONTROL
7	3-579-103-00	KNOB, PAUSE
8	.....	
9 ♦	3-579-104-00	PAPER, SHIELD
10 ♦	3-579-105-00	HOOK, SPRING
11	3-579-106-00	HOOK, STRAP
12	3-579-109-00	PLATE, ORNAMENTAL, CASSETTE
13	3-579-110-01	LID, BATTERY CASE
14	.....	
15	3-579-111-00	KNOB, FR
16	3-579-112-01	ORNAMENT, LED
17	.....	
18	3-579-113-00	BUTTON, REC
19	3-579-114-00	BUTTON, FWD
20	3-579-115-00	BUTTON, STOP
21	.....	
22	3-579-117-11	CABINET (FRONT)
23	3-579-118-01	CABINET (REAR)
24	.....	
25 ♦	3-579-120-00	SUPPORT, JACK
26 ♦	3-579-121-00	PLATE, SHIELD, JACK
27 ♦	3-579-122-00	BOSS
28	3-579-123-00	COVER, SWITCH
29	3-579-124-00	SPRING
30	3-579-767-11	ORNAMENT, HOLE, ADJUSTMENT
31	.....	
32	3-831-441-XX	CUSHION (B), CABINET
33	3-831-441-XX	CUSHION
34	3-831-441-XX	CUSHION, CABINET UPPER
35	3-831-441-XX	SPACER, KNOB
36	7-623-605-01	EYELET, 1.3X2.5
37	7-627-552-27	SCREW, PRECISION +P 1.7X2
38	7-627-552-48	SCREW, PRECISION +P 1.7X4
39	7-627-850-47	SCREW, PRECISION +P 1.4X1.6
40	.....	
41	7-627-852-28	+P 1.7X3
42	7-685-102-11	SCREW +P 2X4 NON-SLIT TYPE 2
43	.....	
44	7-685-104-29	SCREW +P 2X6 TYPE2 SLIT
45	9-911-816-01	RIBBON, BATTERY

GENERAL SECTION

No.	Part No.	Description
46	9-911-837-XX	SPACER
47	X-3579-101-0	HOLDER ASSY, CASSETTE
48	.....	

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
81	1-555-810-00	CORD, CONNECTION (RK-128)
82	3-527-213-00	LABEL, SERIAL NUMBER
83	3-570-631-00	BAG, POLYETHYLENE
84	3-576-110-00	STOPPER
85	3-579-126-00	CUSHION
86	3-579-127-00	SPACER
87	3-579-132-00	INDIVIDUAL CARTON
88	3-579-134-00	BAG
89	3-579-135-00	CASE, CARRYING
90	3-701-363-00	LABEL, TACK
91	3-701-622-00	BAG, POLYETHYLENE
92	3-783-778-11	MANUAL, INSTRUCTION
93	3-794-006-21	CARD, CAUTION
94	3-795-169-11	INSTRUCTION
95	8-893-531-00	TAPE, DEMONSTRATION (CD-305)
96	8-951-144-91	MDR-ILI SET (B)

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since thev are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:
- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···,
UPC···: μPC, UPD···: μPD···

GENERAL SECTION

No.	Part No.	Description
1	.....	
2	3-564-708-21	SCREW, TAPPING +P2X18
3	.....	
4	3-576-074-00	SPRING
5 ♦	3-576-075-00	SHAFT, CASSETTE HOLDER
6	3-579-102-00	KNOB, CONTROL
7	3-579-103-00	KNOB, PAUSE
8	.....	
9 ♦	3-579-104-00	PAPER, SHIELD
10 ♦	3-579-105-00	HOOK, SPRING
11	3-579-106-00	HOOK, STRAP
12	3-579-109-00	PLATE, ORNAMENTAL, CASSETTE
13	3-579-110-01	LID, BATTERY CASE
14	.....	
15	3-579-111-00	KNOB, FR
16	3-579-112-01	ORNAMENT, LED
17	.....	
18	3-579-113-00	BUTTON, REC
19	3-579-114-00	BUTTON, FWD
20	3-579-115-00	BUTTON, STOP
21	.....	
22	3-579-117-11	CABINET (FRONT)
23	3-579-118-01	CABINET (REAR)
24	.....	
25 ♦	3-579-120-00	SUPPORT, JACK
26 ♦	3-579-121-00	PLATE, SHIELD, JACK
27 ♦	3-579-122-00	BOSS
28	3-579-123-00	COVER, SWITCH
29	3-579-124-00	SPRING
30	3-579-767-11	ORNAMENT, HOLE, ADJUSTMENT
31	.....	
32	3-831-441-XX	CUSHION (B), CABINET
33	3-831-441-XX	CUSHION
34	3-831-441-XX	CUSHION, CABINET UPPER
35	3-831-441-XX	SPACER, KNOB
36	7-623-605-01	EYELET, 1.3X2.5
37	7-627-552-27	SCREW, PRECISION +P 1.7X2
38	7-627-552-48	SCREW, PRECISION +P 1.7X4
39	7-627-850-47	SCREW, PRECISION +P 1.4X1.6
40	.....	
41	7-627-852-28	+P 1.7X3
42	7-685-102-11	SCREW +P 2X4 NON-SLIT TYPE 2
43	.....	
44	7-685-104-29	SCREW +P 2X6 TYPE2 SLIT
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GENERAL SECTION

No.	Part No.	Description
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47	X-3579-101-0	HOLDER ASSY, CASSETTE
48	.....	

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85	3-579-126-00	CUSHION
86	3-579-127-00	SPACER
87	3-579-132-00	INDIVIDUAL CARTON
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89	3-579-135-00	CASE, CARRYING
90	3-701-363-00	LABEL, TACK
91	3-701-622-00	BAG, POLYETHYLENE
92	3-783-778-11	MANUAL, INSTRUCTION
93	3-794-006-21	CARD, CAUTION
94	3-795-169-11	INSTRUCTION
95	8-893-531-00	TAPE, DEMONSTRATION (CD-305)
96	8-951-144-91	MDR-ILI SET (B)

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- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···,
UPC···: μPC, UPD···: μPD···

MECHANISM SECTION

No.	Part No.	Description
301	3-570-615-00	POLY-WASHER (DIA.1.2)
302	3-570-770-00	CUSHION (A), MOTOR
303	3-570-772-00	SPACER (M)
304	3-576-041-00	LEVER, BUTTON, STOP
305	3-576-043-00	SPRING
306	3-576-044-00	LEVER, BUTTON, FWD
307	3-576-047-00	PLATE, STOPPER, TAPE GUIDE
308	3-576-051-00	LEVER, FR
309	3-576-052-00	LEVER (A), STOP
310	3-576-053-00	LEVER (B), STOP
311	3-576-054-00	LEVER, ERASING PROTECTION
312	3-576-055-00	ARM, S OFF
313	3-576-057-00	LEVER (A), SWITCH
314	3-576-058-00	LEVER (B), SWITCH
315	3-576-059-00	LEVER (C), SWITCH
316 ♦	3-576-060-11	RETAINER
317	3-576-061-00	GEAR (A), FF
318	3-576-062-00	BELT
319	3-576-064-00	PLATE, RELEASE, FR
320	3-576-065-00	SPRING
321	3-576-066-00	SPRING
322	3-576-067-00	SPRING
323	3-576-068-00	SPRING
324	3-576-069-00	SPRING
325	3-576-070-00	SHAFT (B), GUIDE,HEAD PC BOARD
326	3-576-090-00	SPRING, TENSION
327	3-576-091-00	SPRING, TENSION
328	3-576-092-00	SPRING
329	3-576-098-00	SPRING, COMPRESSION
330	3-576-100-00	STOPPER, SPRING
331 ♦	3-576-101-00	PLATE, ADJUSTMENT, HEAD HIGHT
332 ♦	3-576-101-11	PLATE, ADJUSTMENT, HEAD HIGHT
333 ♦	3-579-119-00	GUIDE, LEAD, HEAD
334	3-579-716-00	SPRING
335	3-579-717-00	GUIDE, TAPE
336	.....	
337	3-701-436-11	WASHER, 1.6
338	3-701-441-01	WASHER
339	3-701-441-11	WASHER
340	7-621-954-15	PWH 1.7X4
341	7-624-102-04	STOP RING 1.5, TYPE -E
342	7-627-450-28	+K 1.7X2
343	7-627-551-08	SCREW, PRECISION +P 1.4X1.6
344	7-627-551-27	SCREW, PRECISION +P 1.4X2.5
345	7-627-552-28	SCREW, PRECISION +P 1.7X2

MECHANISM SECTION

No.	Part No.	Description
346	7-627-552-67	SCREW, PRECISION +P 1.7X4.5
347	7-627-552-78	SCREW, PRECISION +P 1.7X3.5
348	7-627-554-48	SCREW, +P 2X9
349	.....	
350	7-627-850-98	+P 1.4X2.2
351	7-671-111-01	STEEL BALL 1MM
352	A-3164-227-A	LEVER ASSY, BUTTON, REC
353	X-3576-001-0	TABLE ASSY, BEARING
354	X-3576-002-0	ARM ASSY, FWD
355	X-3576-003-0	LEVER ASSY, FF
356	X-3576-004-0	TABLE ASSY, S REEL
357	X-3576-005-0	REEL ASSY, T
358	X-3576-006-0	CHASSIS ASSY, HEAD
359	X-3576-007-0	FLYWHEEL ASSY
360	X-3576-008-0	PINCH LEVER ASSY
361 ♦	X-3576-009-0	PLATE ASSY, THRUST
362 ♦	X-3576-010-0	BRACKET ASSY, MOTOR
363	X-3576-011-0	PLATE ASSY, LOCK, FWD
364	X-3576-012-0	PLATE ASSY, LOCK, FR
365	3-576-106-00	SPRING, TENSION
366	9-911-838-XX	SHEET, ERASING PROTECTION
367	3-576-105-00	CLAW, S REEL

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COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···,
UPC···: μPC, UPD···: μPD···

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
501	♦;1-606-521-00	PC BOARD, LED			
502	♦;1-606-522-00	PC BOARD, PB			
503	♦;1-606-523-00	PC BOARD, REC			
C301	1-123-827-00	ELECT	220MF	20%	4V
C302	1-123-827-00	ELECT	220MF	20%	4V
C320	1-163-181-00	CHIP	100PF	10%	50V
D101	8-719-815-55	DIODE 1S1555			
D102	8-719-422-21	DIODE 1T22AM			
D201	8-719-815-55	DIODE 1S1555			
D202	8-719-422-21	DIODE 1T22AM			
D301	8-719-815-55	DIODE 1S1555			
D303	8-719-930-33	DIODE GL-3PR3			
D304	8-719-930-33	DIODE GL-3PR3			
D401	8-719-909-10	DIODE GL-9PR10			
HRP901	8-825-533-10	RECORD/PLAYBACK HEAD (PP217-6202B)			
IC301	8-759-600-09	IC CX-887			
IC302	8-759-600-09	IC CX-887			
J301	1-507-772-11	JACK			
J401	1-507-772-21	JACK			
J901	1-507-625-00	JACK, POWER			

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
M901	8-835-052-01	MOTOR, DC (DNE-4601A)			
Q101	8-729-811-24	TRANSISTOR 2SD1012			
Q102	8-729-811-24	TRANSISTOR 2SD1012			
Q201	8-729-811-24	TRANSISTOR 2SD1012			
Q202	8-729-811-24	TRANSISTOR 2SD1012			
Q301	8-729-811-24	TRANSISTOR 2SD1012			
Q302	8-729-853-63	TRANSISTOR 2SC536SP			
Q303	8-729-271-22	TRANSISTOR, MINI-MOLD 2SC2712			
Q304	8-729-853-63	TRANSISTOR 2SC536SP			
Q305	8-729-629-12	TRANSISTOR 2SC2291			
Q306	8-729-811-24	TRANSISTOR 2SD1012			
R320	1-216-037-00	CHIP	330	5%	1/10W
RV301	1-228-169-00	RES, VAR, CARBON 10K/10K			
S301	1-553-223-00	SWITCH, SLIDE			
S302	1-553-942-00	SWITCH, SLIDE			
S401	1-553-906-00	SWITCH, SLIDE			
S901	1-553-226-00	SWITCH, LEAF			
T301	1-433-243-00	TRANSFORMER, BIAS OSCILLATOR			

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- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA···: μA···, UPA···: μPA···,
UPC···: μPC, UPD···: μPD···

ELECTROLYTIC CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one.					
	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47					→	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→	→	→	1-121-392-00	→	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	→	→	1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	→	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	–	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	–
3300	1-121-661-00	1-123-075-00	1-123-071-00	–	–	–

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	–	–	–	–
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	–	1-123-028-00
3.3	1-121-995-00	–	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	–	–
47	1-123-251-00	1-121-919-00	–	–
100	1-123-084-00	–	–	–

CERAMIC CAPACITORS

CAP. (pF)	RATING 50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one. 25 VOLT. PART No.	50 VOLT. PART No.	CAP. (μF)	25 VOLT. PART No.	50 VOLT. PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

ELECTROLYTIC CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one.					
	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47					→	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→	→	→	1-121-392-00	→	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	→	→	1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	→	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	–	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	–
3300	1-121-661-00	1-123-075-00	1-123-071-00	–	–	–

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	–	–	–	–
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	–	1-123-028-00
3.3	1-121-995-00	–	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	–	–
47	1-123-251-00	1-121-919-00	–	–
100	1-123-084-00	–	–	–

CERAMIC CAPACITORS

CAP. (pF)	RATING 50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	PART No.		PART No.		PART No.		PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

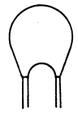
0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one. 25 VOLT.	50 VOLT.	CAP. (μF)	25 VOLT.	50 VOLT.
	PART No.	PART No.		PART No.	PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

MYLAR CAPACITORS

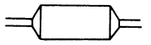
CAP. (μF)	RATING 50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.
	PART No.	PART No.	PART No.		PART No.	PART No.	PART No.		PART No.	PART No.	PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	–	–
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	–	–
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	–	–
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	–	–
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				



TANTALUM CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one. 3.15 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	25 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.01					→	→	1-131-396-00
0.015						→	1-131-397-00
0.022						→	1-131-398-00
0.033						→	1-131-399-00
0.047						→	1-131-400-00
0.068					→	→	1-131-401-00
0.1					→	→	1-131-402-00
0.15					→	→	1-131-403-00
0.22					→	→	1-131-404-00
0.33					→	1-131-409-00	1-131-405-00
0.47	–	–	–	–	1-131-412-00	→	1-131-406-00
0.68	–	–	–	1-131-415-00	→	1-131-410-00	1-131-407-00
1.0	–	–	1-131-418-00	–	1-131-413-00	→	1-131-408-00
1.5	–	1-131-421-00	–	1-131-416-00	→	1-131-411-00	1-131-348-00
2.2	1-131-424-00	–	1-131-419-00	–	1-131-414-00	1-131-355-00	1-131-349-00
3.3	–	1-131-422-00	–	1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00	–	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8	–	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	–
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00		
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00			
47	1-131-393-00	1-131-387-00	1-131-381-00	–			
68	1-131-394-00	1-131-388-00	–	–			
100	1-131-395-00	–	–	–			

TANTALUM CAPACITORS



CAP. (μF)	RATING 3 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.033						1-131-273-00
0.047						1-131-274-00
0.068						1-131-275-00
0.1						1-131-276-00
0.15						1-131-277-00
0.22			–	–	1-131-262-00	1-131-278-00
0.33			–	–	1-131-263-00	1-131-279-00
0.47			1-131-169-00	–	1-131-264-00	1-131-280-00
0.68			–	1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00	–	1-131-266-00	1-131-282-00
1.5		1-131-250-00	–	–	1-131-267-00	1-131-283-00
2.2		–	–	1-131-259-00	1-131-268-00	1-131-284-00
3.3		–	1-131-255-00	–	1-131-269-00	–
4.7		1-131-251-00	1-131-171-00	–	1-131-270-00	–
6.8		–	–	1-131-260-00	1-131-271-00	–
10	–	–	1-131-256-00	–	1-131-272-00	–
15	–	1-131-252-00	–	1-131-261-00		
22	–	–	1-131-257-00	–		
33	1-131-176-00	1-131-253-00	1-131-173-00	–		
47	1-131-288-00	1-131-174-00	–	–		
100	1-131-177-00					

1/16 WATT CARBON RESISTOR

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
2.0	—	13	—	91	1-210-354-00	620	1-210-367-00	4.3k	1-209-772-00	30k	1-210-380-00	200k	1-210-839-00
2.2	—	15	—	100	1-210-355-00	680	1-210-106-00	4.7k	1-209-773-00	33k	1-210-381-00	220k	1-210-840-00
2.4	—	16	—	110	1-210-356-00	750	1-210-107-00	5.1k	1-209-774-00	36k	1-210-394-00	240k	—
2.7	—	18	1-211-688-00	120	1-210-357-00	820	1-210-108-00	5.6k	1-209-775-00	39k	1-210-382-00	270k	1-210-841-00
3.0	—	20	—	130	1-210-358-00	910	1-210-368-00	6.2k	1-209-776-00	43k	1-210-383-00	300k	—
3.3	—	22	—	150	1-210-102-00	1.0k	1-204-122-00	6.8k	1-209-777-00	47k	1-210-384-00	330k	1-210-842-00
3.6	—	24	—	160	1-210-359-00	1.1k	1-210-369-00	7.5k	1-209-778-00	51k	1-210-385-00	360k	—
3.9	—	27	—	180	1-210-360-00	1.2k	1-209-765-00	8.2k	1-209-779-00	56k	1-210-386-00	390k	1-210-843-00
4.3	—	30	1-210-845-00	200	1-210-361-00	1.3k	1-210-370-00	9.1k	1-209-780-00	62k	1-210-387-00	430k	—
4.7	—	33	1-210-846-00	220	1-210-362-00	1.5k	1-209-766-00	10k	1-209-781-00	68k	1-210-388-00	470k	1-210-844-00
5.1	—	36	1-210-847-00	240	1-209-762-00	1.6k	1-210-371-00	11k	1-210-374-00	75k	1-210-389-00	510k	—
5.6	—	39	1-210-848-00	270	1-210-363-00	1.8k	1-209-878-00	12k	1-210-111-00	82k	1-210-390-00	560k	1-211-695-00
6.2	—	43	1-210-849-00	300	1-210-364-00	2.0k	1-209-767-00	13k	1-210-375-00	91k	1-210-391-00	620k	—
6.8	—	47	1-210-395-00	330	1-209-763-00	2.2k	1-209-768-00	15k	1-210-112-00	100k	1-210-115-00	680k	1-211-696-00
7.5	—	51	1-210-101-00	360	1-210-103-00	2.4k	1-209-769-00	16k	1-210-376-00	110k	—	750k	—
8.2	—	56	1-210-351-00	390	1-210-365-00	2.7k	1-209-770-00	18k	1-210-113-00	120k	1-210-836-00	820k	1-211-698-00
9.1	—	62	1-210-352-00	430	1-210-366-00	3.0k	1-210-372-00	20k	1-210-377-00	130k	—	910k	—
10	—	68	1-210-353-00	470	1-209-764-00	3.3k	1-204-123-00	22k	1-210-114-00	150k	1-210-837-00	1 M	—
11	—	75	1-210-392-00	510	1-210-104-00	3.6k	1-210-373-00	24k	1-210-378-00	160k	—		
12	—	82	1-210-393-00	560	1-210-105-00	3.9k	1-209-771-00	27k	1-210-379-00	180k	1-210-838-00		

1/8 WATT CARBON RESISTOR

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
2.0	—	13	1-246-821-00	91	1-246-831-00	620	1-246-841-00	4.3k	1-246-851-00	30k	1-246-861-00	200k	1-246-871-00
2.2	1-246-751-00	15	1-246-761-00	100	1-246-771-00	680	1-246-781-00	4.7k	1-246-791-00	33k	1-246-801-00	220k	1-246-811-00
2.4	—	16	1-246-822-00	110	1-246-832-00	750	1-246-842-00	5.1k	1-246-852-00	36k	1-246-862-00	240k	1-247-054-00
2.7	1-246-752-00	18	1-246-762-00	120	1-246-772-00	820	1-246-782-00	5.6k	1-246-792-00	39k	1-246-802-00	270k	1-247-046-00
3.0	—	20	1-246-823-00	130	1-246-833-33	910	1-246-843-00	6.2k	1-246-853-00	43k	1-246-863-00	300k	1-247-055-00
3.3	1-246-753-00	22	1-246-763-00	150	1-246-773-00	1.0k	1-246-783-00	6.8k	1-246-793-00	47k	1-246-803-00	330k	1-247-047-00
3.6	—	24	1-246-824-00	160	1-246-834-00	1.1k	1-246-844-00	7.5k	1-246-854-00	51k	1-246-864-00	360k	1-247-056-00
3.9	1-246-754-00	27	1-246-764-00	180	1-246-774-00	1.2k	1-246-784-00	8.2k	1-246-794-00	56k	1-246-804-00	390k	1-247-048-00
4.3	—	30	1-246-825-00	200	1-246-835-00	1.3k	1-246-845-00	9.1k	1-246-855-00	62k	1-246-865-00	430k	1-247-057-00
4.7	1-246-755-00	33	1-246-765-00	220	1-246-775-00	1.5k	1-246-785-00	10k	1-246-795-00	68k	1-246-805-00	470k	1-247-049-00
5.1	—	36	1-246-826-00	240	1-246-836-00	1.6k	1-246-846-00	11k	1-246-856-00	75k	1-246-866-00	510k	1-247-058-00
5.6	1-246-756-00	39	1-246-766-00	270	1-246-776-00	1.8k	1-246-786-00	12k	1-246-796-00	82k	1-246-806-00	560k	1-247-050-00
6.2	—	43	1-246-827-00	300	1-246-837-00	2.0k	1-246-847-00	13k	1-246-857-00	91k	1-246-867-00	620k	1-247-059-00
6.8	1-246-757-00	47	1-246-767-00	330	1-246-777-00	2.2k	1-246-787-00	15k	1-246-797-00	100k	1-246-807-00	680k	1-247-051-00
7.5	1-246-818-00	51	1-246-828-00	360	1-246-838-00	2.4k	1-246-848-00	16k	1-246-858-00	110k	1-246-868-00	750k	1-247-060-00
8.2	1-246-758-00	56	1-246-768-00	390	1-246-778-00	2.7k	1-246-788-00	18k	1-246-798-00	120k	1-246-808-00	820k	1-247-052-00
9.1	1-246-819-00	62	1-246-829-00	430	1-246-839-00	3.0k	1-246-849-00	20k	1-246-859-00	130k	1-246-869-00	910k	1-247-061-00
10	1-246-759-00	68	1-246-769-00	470	1-246-779-00	3.3k	1-246-789-00	22k	1-246-799-00	150k	1-246-809-00	1 M	1-247-053-00
11	1-246-820-00	75	1-246-830-00	510	1-246-840-00	3.6k	1-246-850-00	24k	1-246-860-00	160k	1-246-870-00		
12	1-246-760-00	82	1-246-770-00	560	1-246-780-00	3.9k	1-246-790-00	27k	1-246-800-00	180k	1-246-810-00		

MDR-1L1

US Model
Canadian Model
AEP Model
UK Model
E Model

STEREO HEADPHONES

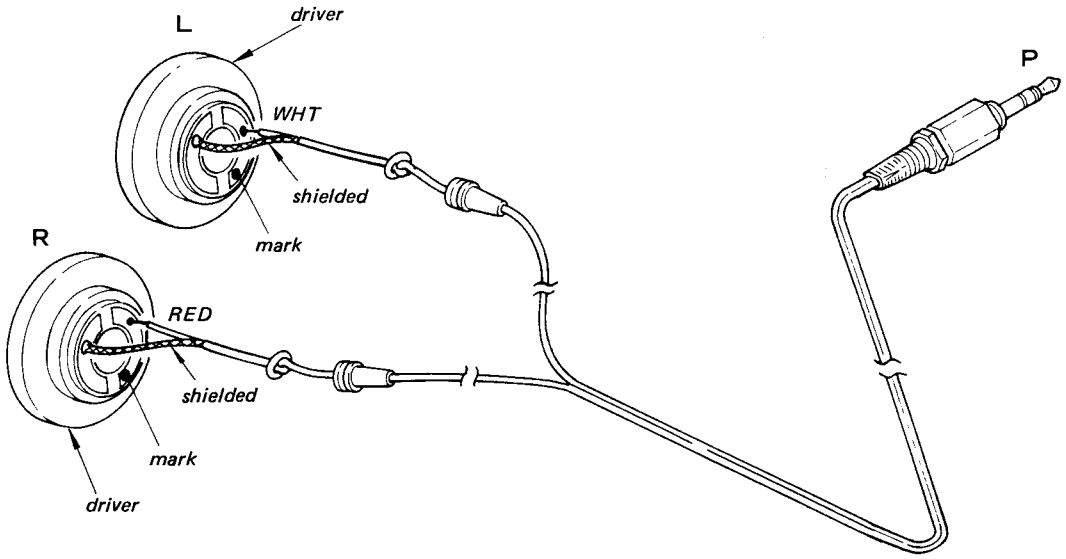
SPECIFICATIONS

Type:	Dynamic
Driver Units:	23 mm dia., dome
Impedance:	32Ω at 1 kHz
Sensitivity:	98 dB/mW
Rated Power:	40 mW
Frequency Response:	20 – 22,000 Hz
Cord Length:	1.2 m long with mini plug
Weight:	Approx. 29 g (without cord)

MICROFILM

SONY®
SERVICE MANUAL

2. WIRING DIAGRAM



<Caution>

After replacing the driver unit, twist the housing (see ⑤, ⑥ in EXPLODED VIEW) back and forth two or three times and then make sure that the sound is not cut off intermittently.

3. PARTS LIST

No.	*Part No.*	*Description*
1	1-505-048-12	DRIVER
2	1-555-459-00	CORD, 1.2 m LONG WITH MINI PLUG
3	♦ ; 2-284-601-21	BAND, HEAD
4	2-284-602-11	BUSHING
5	2-284-605-00	HOUSING (L)
6	2-284-606-00	HOUSING (R)
7	2-284-609-11	STOPPER, SLIDE
8	2-284-610-11	PAD, EAR (BLACK)
9	4-865-903-00	SPRING, SLIDE
10	4-865-916-00	SCREEN (D)
11	X-2292-901-1	HANGER (L) ASS'Y
12	X-2292-902-1	HANGER (R) ASS'Y

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.